

Appl. No. 09/320,580
Amdt. dated: February 1, 2005
Reply to Office Action of November 1, 2004

Amendments to the Claims

The following listing of claims replaces all prior versions and listings of claims in the application.

1-5. Cancelled

6. (Currently amended) ~~The method, as set forth in claim 1, A method of data communication, comprising:~~

generating a first series of tones, the first series of tones encoding digital data in a predetermined message format;

transmitting the first series of tones over a communication medium to a remote device;

receiving a second series of tones, the second series of tones encoding a reply to the transmitted first series of tones in the predetermined message format; and

wherein generating the first series of tones comprises generating tones representing a first predetermined password, and receiving the second series of tones comprises receiving tones representing a second predetermined password corresponding to the first predetermined password.

7. (Currently amended) ~~The method, as set forth in claim 1, A method of data communication, comprising:~~

generating a first series of tones, the first series of tones encoding digital data in a predetermined message format;

transmitting the first series of tones over a communication medium to a remote device;

receiving a second series of tones, the second series of tones encoding a reply to the transmitted first series of tones in the predetermined message format; and

wherein generating the first series of tones comprises generating tones representing a first predetermined password, and receiving the second series of tones comprises receiving tones representing a disconnect message.

8-19. Cancelled.

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20. (Currently amended) ~~The method, as set forth in claim 11,~~ A communication method comprising:

dialing a predetermined destination address of a remote server and waiting for a connection;

generating a first series of tones, the first series of tones encoding digital data in a predetermined message format;

transmitting the first series of tones over the connection to the remote server;

receiving a second series of tones, the second series of tones encoding a first acknowledge message, the second series of tones encoding digital data in the predetermined message format;

further comprising:

receiving a block message from the remote server;

sending ~~an~~ a second acknowledge message to the block message to the remote server;

receiving a data message containing data from the remote server;

sending ~~an~~ a third acknowledge message to the data message to the remote server;

receiving a clear block message from the remote server; and

sending ~~an~~ a fourth acknowledge message to the clear block message to the remote server.

21. (Original) The method, as set forth in claim 20, further comprising sending a disconnect message to the remote server.

22. (Original) The method, as set forth in claim 20, further comprising receiving a disconnect message from the remote server.

23-31. Cancelled.

32. (New) A method of configuring a broadband communication device, comprising:
establishing with the broadband communication device a connection with a remote device over a PTSN;

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generating a first series of tones, the first series of tones encoding digital data in a predetermined message format;

transmitting the first series of tones over the connection to the remote server; and

receiving a second series of tones, the second series of tones encoding configuration information for use in configuring the broadband device for communicating over a broadband connection.

33. (New) The method of claim 32 wherein generating the first series of tones comprises generating a series of DTMF tones.

34. (New) The method of claim 33 wherein a pre-selected one of the DTMF tones are reserved for indicating framing.

35. (New) The method of claim 33 wherein the generating the series of DTMF tones represents a message having a predetermined format.

36. (New) The method of claim 34 wherein the encoding digital data in a predetermined message format includes generating a header, an opcode, and a checksum.

37. (New) The method, as set forth in claim 32, wherein generating the first series of tones comprises generating tones representing a first predetermined authorization code.

38. (New) A broadband communication device, comprising:
 a mechanism for dialing a predetermined telephone number of a remote device over a PTSN to establish a connection with the remote device;
 a generator for generating a first series of tones, the first series of tones encoding digital data in a predetermined message format;
 a mechanism for transmitting the first series of tones over the connection to the remote device; and

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a detector for receiving a second series of tones, the second series of tones ~~encoding~~ configuration information for use in configuring the broadband device for communicating ~~over a~~ broadband connection.

39. (New) The device of claim 38 wherein the first series of tones comprise **DTMF** tones.

40. (New) The device of claim 39 wherein the first series of DTMF tones represents a message having a predetermined format.

41. (New) The device of claim 40 wherein one of the first series of DTMF tones is reserved for framing.

42. (New) The device of claim 40 wherein the predetermined message format includes a header, an opcode, and a checksum.

43. (New) The device of claim 38, wherein the first series of tones comprises tones representing a first predetermined authorization code.

44. (New) The method of claim 6 further comprising dialing a predetermined destination address of a remote server and waiting for a connection.

45. (New) The method of claim 7 further comprising dialing a predetermined destination address of a remote server and waiting for a connection.